

Appl. No. 10/643,622  
Docket No. 351913-992800  
Response to Office Action of June 2, 2005

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Original) A memory device for interfacing with an integrated circuit communicating via a communication bus, said device comprising:
  - a decoding circuit for receiving communication signals received via the communication bus, for decoding the communication signals and for generating a plurality of protocol signals in response thereto;
  - a protocol select circuit for receiving said plurality of protocol signals;
  - an array of memory cells;
  - a controller circuit for controlling the operation of said array of memory cells;
  - said protocol select circuit for configuring the controller circuit in response to the plurality of protocol signals.
2. (Original) The device of claim 1 wherein said memory cells are non-volatile memory cells.
3. (Original) The device of claim 2 wherein said protocol select circuit is a volatile storage element.
4. (Original) The device of claim 3 wherein said volatile storage element is a register.
5. (Original) The device of claim 3 wherein said volatile storage element is a flip-flop.
6. (Original) The device of claim 3 wherein said volatile storage element is an SRAM.
7. (Original) A memory device for interfacing with an integrated circuit communicating via an LPC bus, said circuit generating a start field, said device comprising:

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a decoding circuit for receiving the start field and for generating a plurality of protocol signals;

a protocol select circuit for receiving said plurality of protocol signals;

an array of non-volatile memory cells;

a controller circuit for controlling the operation of said array of non-volatile memory cells;

said protocol select circuit for configuring the controller circuit in response to the plurality of protocol signals.

8. (Original) The device of claim 7 wherein said protocol select circuit is a flip-flop.
9. (Original) The device of claim 7 wherein said plurality of protocol signals represent protocol for LPC communication and for FWH communication.